BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Ten/01/2015-16, Date:04.01.2016 Indent No.20631

SCHEDULE-B

NAME OF WORK: Sinking of Borewell and providing pump and motors and laying of pipeline at T. Dasarahalli Ward no.15 3 numbers

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor MADHAVA REDDY K		
				In Figures (Rs.)	In Words (Rs.)	Cont. AMOUNT
1	2	3	4	5	6	7
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.complete as per specfication & as per direction of Engineer-in-charge	Each	3	1882.0	Rupees One Thousand Eight Hundred Eighty Two Only	5646.00
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified 0.00 to 50.00 mtrs complete as per specfication & as per direction of Engineer-in-charge	Rmtr	150	306.0	Rupees Three Hundred Six Only	45900.00
3	50mtr to 100.00 mtr	Rmtr	150	400.0	Rupees Four Hundred Only	60000.00
4	100.00 to 150.00 mtr	Rmtr	150	445.0	Rupees Four Hundred Forty Five Only	66750.00

Signature of the Contractor

Executive Engineer

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4	100.00 to 150.00 mtr	Rmtr	150	445.0	Rupees Four Hundred Forty Five Only	66750.00

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12	Supply and delivery at site brand new Texmo / Innoval / Kabi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage Kirloskar, Atlanta, Suguna, CRI & other equipment pump complete as per specfication & as per direction of Engineer-in-charge	No	3	70000.0	Rupees Seventy Thousand Only	210000.00
13	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts complete as per specfication & as per direction of Engineer-in-charge	Mtrs	1860	159.5	Rupees One Hundred Fifty Nine and Fifty Paise Only	296670.00
14	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads complete as per specfication & as per direction of Engineer-in-charge	Nos	3	1145.0	Rupees One Thousand One Hundred Forty Five Only	3435.00
15	Supplying and fixing 50mm GM Gate Vavle complete as per specfication & as per direction of Engineer-in-charge	Nos	3	1000.0	Rupees One Thousand Only	3000.00
16	Supplying and fixing 175mm Borewell cap with clampset complete as per specfication & as per direction of Engineer-in-charge	Nos	3	500.0	Rupees Five Hundred Only	1500.00
17	Supplying and fixing 50mm GI Union complete as per specfication & as per direction of Engineer-in-charge	Nos	3	223.7	Rupees Two Hundred Twenty Three and Seventy Paise Only	671.10
18	Supplying and fixing 50mm GI Elbow complete as per specfication & as per direction of Engineer-in-charge	Nos	9	111.8	Rupees One Hundred Eleven and Eighty Paise Only	1006.20

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19	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty complete as per specfication & as per direction of Engineer-in-charge	Mtrs	870	500.0	Rupees Five Hundred Only	435000.00
20	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps P-521, Group-Bi-1(b), complete as per specfication & as per direction of Engineer-in-charge	Nos	3	1320.0	Rupees One Thousand Three Hundred Twenty Only	3960.00
21	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'. P-529, I-35(b), complete as per specfication & as per direction of Engineer-in-charge	Nos	9	385.0	Rupees Three Hundred Eighty Five Only	3465.00
22	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire. complete as per specfication & as per direction of Engineer-in-charge	Nos	30	27.5	Rupees Twenty Seven and Fifty Paise Only	825.00
23	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity P-402, I-34(a), complete as per specfication & as per direction of Engineer-in-charge	Nos	3	385.0	Rupees Three Hundred Eighty Five Only	1155.00
24	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required P-526, I-13 (P, a),complete as per specfication & as per direction of Engineer-in-charge	Nos	3	880.0	Rupees Eight Hundred Eighty Only	2640.00
25	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia P-552, I-7, complete as per specfication & as per direction of Engineer-in-charge	Nos	3	1650.0	Rupees One Thousand Six Hundred Fifty Only	4950.00
26	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole. complete as per specfication & as per direction of Engineer-in-charge	Nos	30	286.0	Rupees Two Hundred Eighty Six Only	8580.00

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Executive Engineer

27	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 Mtr long buried in a pit,/ the pit should be filled with equal proporation of salt and charocal 150mm alround the pipe to complete depth the connections from the pipe to the conduits etc., is to be established through GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12 mmdia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia complete as per specfication & as per direction of Engineer-in-charge	Nos	3	1650.0	Rupees One Thousand Six Hundred Fifty Only	4950.00
28	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm.complete as per specfication & as per direction of Engineer-in-charge	Mtrs	90	165.0	Rupees One Hundred Sixty Five Only	14850.00
29	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required,complete as per specfication & as per direction of Engineer-in-charge	Mtrs	90	5.5	Rupees Five and Fifty Paise Only	495.00
30	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete as per specfication & as per direction of Engineer-in-charge	Mtrs	45	44.0	Rupees Forty Four Only	1980.00
31	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., complete as per specfication & as per direction of Engineer-in-charge	Nos	3	264.0	Rupees Two Hundred Sixty Four Only	792.00
32	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., complete as per specfication & as per direction of Engineer-in-charge	Nos	18	440.0	Rupees Four Hundred Forty Only	7920.00
33	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road.complete as per specfication & as per direction of Engineer-in-charge	Cum	67.5	311.64	Rupees Three Hundred Eleven and Sixty Four Paise Only	21035.70

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Executive Engineer

34	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. complete as per specfication & as per direction of Engineer-in-charge	Cum	337.5	259.7	Rupees Two Hundred Fifty Nine and Seventy Paise Only	87648.75
35	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.complete as per specfication & as per direction of Engineer-in-charge	Rmt	750	153.0	Rupees One Hundred Fifty Three Only	114750.00
36	Supplying and fixing 50 mm GI pipes 'B' class heavy duty (As PER bwssb Store Issued Rate) Note:- GI Pipe using for Road crossing places. complete as per specfication & as per direction of Engineer-in-charge	Mtrs	30	325.0	Rupees Three Hundred Twenty Five Only	9750.00
37	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour complete as per specification. complete as per specfication & as per direction of Engineer-in-charge	Cum	337.5	60.48	Rupees Sixty and Forty Eight Paise Only	20412.00
38	Transportation of pumping machineries complete as per specfication & as per direction of Engineer-in-charge	no	3	900	Rupees Nine Hundred Only	2700.00
39	Erection of Pumping machineries complete as per specfication & as per direction of Engineer-in-charge	no	3	900.0	Rupees Nine Hundred Only	2700.00

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,

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Executive Engineer

34	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. complete as per specfication & as per direction of Engineer-in-charge	Cum	337.50		
35	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.complete as per specfication & as per direction of Engineer-in-charge	Rmt	750.00		
36	Supplying and fixing 50 mm GI pipes 'B' class heavy duty (As PER bwssb Store Issued Rate) Note:- GI Pipe using for Road crossing places. complete as per specfication & as per direction of Engineer-in-charge	Mtrs	30.00		
37	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour complete as per specification. complete as per specfication & as per direction of Engineer-in-charge	Cum	337.50		
38	Transportation of pumping machineries complete as per specfication & as per direction of Engineer-in-charge	~~Cum~~ NO	~~337.50~~ 3.00		
39	Erection of Pumping machineries complete as per specfication & as per direction of Engineer-in-charge	~~Rmt~~ NO	3.00		

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Number of Corrections: ~~Two~~

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,

DTS Approved

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Signature of the Contractor

No. of Corrections

Executive Engineer